PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 2005577-0003	FOR FURTHER ACTION	See item 4 below		
International application No. PCT/US2005/008600	International filing date (day/month/year) 14 March 2005 (14.03.2005)	Priority date (day/month/year) 19 March 2004 (19.03.2004)		
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237				
Applicant LI, Xiu-Min				

1.	 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a). 					
2.	2. This REPORT consists of a total of 4 sheets, including this cover sheet.					
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	3. This report contains indications relating to the following items:					
	Box No. I Basis of the report					
	Box No. II	Priority				
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV	Lack of unity of invention				
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Box No. VIII Certain observations on the international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
			Date of issuance of this report 19 September 2006 (19.09.2006)			
	The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland		Authorized officer Beate Giffo-Schmitt			
Facsin	Facsimile No. +41 22 338 82 70		e-mail: pt03@wipo.int			
F 1	DCT/ID/272 (January 2004)					

PATENT COOPERATION TREATY From the INTERNATIONAL SEARCHING AUTHORITY

REC'D 19 SEP 2005 WIPO PCT

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ANDREA I	C.C. KORIDOUX				
53 STATE	HALL & STEWA	KI LLP		****	ADDINION OF THE
BOSTON, MA 02109		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				INTERNATIO	NAD BENECOLIA CONTROLLA I
			:		(PCT Rule 43bis.1)
			•	Date of mailing (day/month/year)	18 SEP 2005
Applicant's	or agent's file re	ference		FOR FURTHER	ACTION See paragraph 2 below
2005577-00	003				
	al application No.		International filing date	(day/month/year)	Priority date (day/month/year)
PCT/US05	/08600		14 March 2005 (14.03.3	2005)	19 March 2004 (19.03.2004)
Internation	al Patent Classific	ation (IPC)	or both national classifica	tion and IPC	
IPC(7): A6	51K 35/78 and US	Cl.: 424/72	5 _		
Applicant					
LI, XIU-M	IDV				
1. This o	pinion contains in	ndications re	lating to the following iter	ms:	
M	Box No. I	Basis of th	•		·
	Box No. II	Priority	•	•	
			lichment of opinion with	regard to novelty, inve	entive step and industrial applicability
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention				
	Box No. IV		•		to novelty inventive step or industrial
	Box No. V	Reasoned applicabil	statement under Kule 432 ity; citations and explanat	ions supporting such	to novelty, inventive step or industrial statement
	Box No. VI	Certain do	ocuments cited		
	Box No. VII	Certain de	efects in the international	application	·
	Box No. VIII	Certain ol	oservations on the internat	tional application	
2. FUR	THER ACTIO	N			
If a c	demand for international Prelimin	national prel ary Examin		except that this do en IPEA has notified	Il be considered to be a written opinion of the es not apply where the applicant chooses an the International Bureau under Rule 66.1bis(b) idered.
IPEA of Fo	A a written reply to frm PCT/ISA/220	together, wh or before th	ere appropriate, with and ne expiration of 22 months		IPEA, the applicant is invited to submit to the expiration of 3 months from the date of mailing ie, whichever expires later.
For f	further options, se	e Form PCT	7ISA/220.		·
3. For 1	further details, see	notes to Fo	rm PCT/ISA/220.		
Name and	d mailing address	of the ISA/	US	Authorized off	icer 1
	Mail Stop PCT, At Commissioner for	tn: ISA/US		Randal/Winst	of which sold oh
	P.O. Box 1450 Alexandria, Virgin		0	Telephone Mo.	571-272-0972

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US05/08600	

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
·
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/08600

YES

Box No. V	Reasoned statement under Rule 43 be applicability; citations and explanation		with regard to novelty, inventive step or industrial orting such statement	
1. Statemer	at			
1	Novelty (N)	Claims	1-14	YES
		Claims	NONE ·	_NO
r	nventive step (IS)	Claims	NONE	YES
		Claims	1-14	_NO

Claims <u>1-14</u> Claims <u>NONE</u>

2. Citations and explanations:

Industrial applicability (IA)

Claims 1-14 lack inventive step under PCT Article 33(3) as being unpatentable over LI et al (US 6,630,172). Li et al teach (see, e.g., claim 2 and column 24, lines 44-51) a composition comprising Ganoderm Lucidum (i.e. Ling-Zhi) and Ku-Shen for the treatment of asthma. Li et al. do not teach a composition of the other active ingredients of Gan-Cao, a corticosteroid and a bronchodilator contained within its composition for the treatment of asthma. SHEU teaches (see, e.g., column 8, lines 27-30) licorice root (i.e. Gan-Cao) for the treatment of asthma. BRIDGES et al. teach (see, e.g., column 1, lines 41-45) bronchodilators for the treatment of asthma. CAI et al. teach (see, e.g., column 1, lines 41-43) corticosteroids for the treatment of asthma. It would have been obvious to one of ordinary skill in the art to modify Li et al's teachings to include the beneficial teachings of Sheu, Bridges et al and Cai et al. because the above combined teachings would create an improved composition for the treatment of asthma and the composition would also inherently suppress GATA-3 in patients and suppress the activation of memory Th2 cells in patients when treating asthma. The adjustments of other conventional working conditions (i.e. the amounts and the vehicle the composition is contained within), is judicious selection and routine optimization which is well within the purview of the skilled artisan.

Claims 1-14 meet the novelty criteria set out in PCT Article 33(2), because there is no express teachings of a composition comprised of all the claimed active ingredients together or within the claimed ranges.

Claims 1-14 meet the criteria set out in PCT Article 33(4), and thus claims 1-14 have industrial applicability because the subject matter claimed can be made or used industry.

Form PCT/ISA/237 (Box No. V) (January 2004)